

AMENDMENTS TO THE CLAIMS

1. **(Currently amended)** An isolated~~A~~ fructosylamine oxidase enzyme ~~derived~~ from *Fusarium proliferatum*.

2. **(Currently amended)** An isolated~~A~~ fructosylamine oxidase enzyme ~~derived~~ from *Fusarium proliferatum*, which has the following physicochemical characteristics:

- (1) It is almost equally or more active on fructosyl valine as compared to fructosyl lysine;
- (2) The optimum pH for its enzyme reaction is 7.5;
- (3) The optimum temperature for stability of the enzyme is about 30-40°C; and
- (4) The molecular weight of the enzyme is about 39 kDa when estimated by SDS-PAGE, and is about 39.4 kDa when estimated by gel filtration.

3. **(Original)** The fructosylamine oxidase of claim 2 which comprises the amino acid sequence shown in SEQ ID NO: 4.

4. **(Currently amended)** An isolated~~A~~ fructosylamine oxidase enzyme ~~derived~~ from *Fusarium proliferatum*, which has the following physicochemical characteristics:

- (1) It is not detectably active on fructosyl lysine but is active on fructosyl valine;
- (2) The optimum pH for its enzyme reaction is 7;
- (3) The optimum temperature for stability of the enzyme is about 30-40°C; and
- (4) The molecular weight of the enzyme is about 49 kDa when estimated by SDS-PAGE, and is about 58 kDa when estimated by gel filtration.

5. **(Original)** The fructosylamine oxidase of claim 4, which comprises the amino acid sequence shown in SEQ ID NO: 6.

6. **(Withdrawn)** A *Fusarium proliferatum* (FERM BP-8451) characterized in that it produces the fructosylamine oxidase of claim 1.

7. **(Withdrawn)** A DNA encoding the fructosylamine oxidase of claim 1.

8. **(Withdrawn)** The DNA of claim 7, which comprises the nucleotide sequence shown in SEQ ID NO: 3 or SEQ ID NO: 5.

9. **(Withdrawn)** A host cell transformed with the DNA of claim 7.

10. **(Withdrawn)** A process for preparing a fructosylamine oxidase, which comprises culturing the microorganism of claim 6 or the host cell of claim 9 in a medium and recovering the fructosylamine oxidase from the culture.

11. **(Withdrawn)** A method of measuring amadori compound in a sample characterized in that the fructosylamine oxidase of any one of claims 1 to 5.